Dynamics of the Minority Game for Patients

Kyungsik Kim* and Seong-Min Yoon

*Department of Physics, Pukyong National University, Pusan 608-737, Korea

Division of Economics, Pukyong National University, Pusan 608-737, Korea

We analyze the minority game for patients, and the results known from the minority game are applied to the patient problem. After the score equation is introduced for patients consulted at the department of pediatric cardiology, the dynamical behavior of our model is discussed numerically by particular strategies. We also find the fraction, the fluctuation, and other statistical quantities, similar to the El Farol bar problem. Our result presented will be compared with recent numerical calculations.

*Corresponding author. Tel.: +82-51-620-6354; fax: +82-51-611-6357.
E-mail address: kskim@pknu.ac.kr.